

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1-48 (canceled).

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49. (new): A method of processing video data comprising:
determining motion intensity levels indicating a motion intensity of respective inter frames included in an input video data by using motion compensation information of the respective inter frames; and
determining a histogram indicating frequency of the respective motion intensity levels.

50. (new): The method of claim 49, wherein determining the histogram comprises calculating a ratio of a number of inter frames having the respective motion intensity levels to a number of all inter frames constituting the input video data.

51. (new): The method of claim 49, wherein the motion intensity levels are determined by using motion compensation values of respective predetermined sized blocks included in an inter frame.

52. (new): The method of claim 49, wherein determining the motion intensity levels comprises calculating a ratio of a number of blocks whose motion compensation values are zero to a number of all of blocks included in an inter frame.

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53. (new): The method of claim 49, further comprising:
dividing a video stream into at least one video data;
selecting the input video data among the at least one video data.

54. (new) The method of claim 52, wherein the determining the motion intensity levels comprises quantizing the ratio of the number of blocks whose motion compensation values are zero to the number of all of blocks included in an inter frame.

55. (new): The method of claim 53, wherein the dividing a video stream is performed by using a scene cut detection algorithm.
